

REMARKS

Claims 1 - 5 remain in the application for consideration of the Examiner.

Reconsideration and withdrawal of the outstanding rejections are respectfully requested in light of the following remarks.

Turning now to the art rejections, Claims 1 and 3-5 were rejected under 35 U.S.C. §103 as being unpatentable over Yoshida in view of Choi; Claim 2 was rejected under 35 U.S.C. §103 as being unpatentable over Yoshida in view of Choi and Carobolante.

These rejections are respectively traversed.

It is respectfully submitted that Yoshida does not disclose or suggest the presently claimed invention including the motor breaking during the low voltage state, the control circuit receiving or a flyback voltage from the motor during the pulse voltage state, and the control circuit receiving the reduced flyback voltage from the motor during the high voltage state.

Yoshida does not disclose a flyback voltage and does not disclose the voltages associated with motor breaking. Yoshida discloses voltages for driving a motor such as described in the first seven lines of column 5.

The Examiner alleges that Yoshida controls the motor in three different voltage states, referring to Figure 1 elements 15 and 20.

Notwithstanding the allegations of the Examiner, as indicated at column 6, line 9, et seq, Yoshida discloses power supply 20 having supply voltages 16, 17, and 18. Additionally, Yoshida discloses that supply voltages selectively means 18 selects one of the supply voltages. The supply voltage is supplied to the spindle motor.

This does not disclose the above noted claimed subject matter.

Choi does not disclose or suggest the presently claimed invention including the motor breaking during the low voltage state and the control circuit receiving the flyback voltage from the motor during the pulse voltage state, the control circuit receiving a reduced flyback voltage being reduced from the flyback voltage from the motor during the high voltage state.

Choi does not disclose breaking and does not disclose a three voltage state circuit.

Whether or not Carobolante discloses the limitation of Claim 2 and whether or not one of ordinary skill in the art would consider modifying the teachings of Yoshida or Choi is of no moment since the result in construction would no way disclose or suggest the above mentioned subject matter.

Claims 1-5 patentably define over the applied art.

In light of the above, it is respectfully submitted that the present application is in condition for allowance, and notice to that effect is respectfully requested.

While it is believed that the instant response places the application in condition for allowance, should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned in order to expeditiously resolve any outstanding issues.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

To the extent necessary, Applicant petitions for an Extension of Time under 37 CFR 1.136. Please charge any fees in connection with the filing of this paper, including extension of time fees, to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,



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